Form PTO/SB/08 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) CIBT-P10-203	Application Number 09/754,032
	Applicant Scott et al.	
	Filing Date January 3, 2001	Group Art Unit 1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	DV	6,027,882	2/22/00	Scott et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO

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✓	DW	Mullins, L.J. & Mullins, J.J. Transgenesis in the Rat and Larger Mammals. *J. Clin. Invest.* 98, S37-S40 (1996).
	DX	Ngo, J.T. et al. Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox. *Peptide Hormones* 491-494 (1976).
	DY	Rudinger, J. Characteristics of the amino acids as components of a peptide hormone sequence. *Endocrinology* 5-7 (1972).
	DZ	Seamark, R.F. Progress and Emerging Problems in Livestock Transgenesis: a Summary Perspective. *Reprod. Fert. Dev.* 6, 653-657 (1994).
✓	EA	Wall, R.J. Transgenic Livestock: Progress and Prospects for the Future. *Theriogenology* 45, 57-68 (1996).

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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VY	DT	Hammerschmidt, M. et al. Protein kinase A is a common negative regulator of Hedgegog signaling in the vertebrate embryo. *Genes & Development* 10, 647-658 (1996).
VM	DU	Noveen, A. et al. cAMP, an Activator of Protein Kinase A, Suppresses the Expression of Sonic Hedgehog. *Biochem. Biophys. Res. Comm.* 219, 180-185 (1996).

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	AA	5798209	25-Aug-1998	Chan	435	6	26-May-1995
	AB	5837538	17-Nov-1998	Scott	435	325	06-Oct-1995
	AC	5935810	10-Aug-1999	Friedman et al.	435	69.1	30-Nov-1994

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W	AD	WO9611260	18-Apr-1996	PCT	C12N	5/00		

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W	AE	Akimaru, H. et al., "Drosophila CBP is a co-activator of cubitus interruptus in hedgehog signaling", Nature 386 (6626): 735-738 (1997).
	AF	Akiyama, H. et al., "Cloning of a mouse smoothened cDNA and expression patterns of hedgehog signaling molecules during chondrogenesis and cartilage differentiation in conal mouse EC cells, ATDC5", Biophys Res. Comm., 235(1): 142-147 (1997).
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	AH	Alcedo, J. et al., "The Drosophila smoothened gene encodes a seven-pass membrane protein, a putative receptor for the hedgehog signal", Cell, 86 (2): 221-232 (1996).
	AI	Alcedo, J. and Noll, M., "Hedgehog and its patched-smoothened receptor complex: a novel signaling mechanism at the cell surface", Biol. Chem., 378 (7): 583-590 (1997).
	AJ	Alexandre, C. et al., "Transcriptional activation of hedgehog target genes in Drosophila is mediated directly by the cutitus interrptus protein, a member of the GLI family of zinc finger DNA-binding proteins", Genes Dev., 19 (16): 2003-2013 (1996).
	AK	Bale, A., "Variable expressivity of patched mutations in flies and humans", Am. J. Human Genet., 60 (1): 10-12 (1997).
	AL	Bellusci, S. et al., "Involvement of Sonic hedgehog (Shh) in mouse embryonic lung growth and morphogenesis", Development, 124 (1): 53-63 (1997).
	AM	Bhat, K. and Schedl, P., "Requirement for engrailed and invected genes reveals novel regulatory interactions between engrailed/invected, patched,, gooseberry and wingless during Drosophila neurogenesis", Development, 124 (9)L 1675-1688 (1997).
	AN	Bitgood, M. et al., "Sertoli cell signaling by Desert hedgehog regulates the male germline", Curr. Biol., 6 (3): 298-304 (1996).
	AO	Bokor, P. et al., "The roles of hedgehog, wingless and lines in patterning the dorsal epidermis in Drosophila", Development, 122 (4): 1083-1092 (1996).
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	AQ	Cadigan, K. et al., "Localized expression of sloppy paired protein maintains the polarity of Drosophila parasegments", Genes Dev., 8 (8): 899-913 (1994).
	AR	Chanut, F. and Heberlein, U., "Role of the morphogenetic furow in establishing polarity in the Drosophila eye", Development, 121 (12): 4085-1094 (1995).
	AS	Chavrier et al., "The complexity of the Rab and Rho GTP-binding protein subfamilies revealed by a PCR cloning approach", Gene 112: 261-264 (1992).
	AT	Chen, E. et al., "Compartmental organization of the Drosophila genital imaginal disks", Development, 124 (1): 205-218 (1997).
	AU	Chen, Y. et al., "Dual roles for patched in sequestering and transducing Hedgehog", Cell, 87(3): 553-563 (1996).
	AV	Concordet, J. et al., "Spatial regulation of a zebrafish patched homoloogue reflects the roles of sonic hedgehog and protein kinase A in neural tube and somite patterning", Development, 122 (9): 2835-2846 (1996).
	AW	Dhawan et al., "Systematic Delivery of Human Growth Hormone by Injection of Genetically Engineered Myoblasts", Science 254: 1509-1512 (1991).
	AX	Dominguez, M. et al., "Sending and receiving the hedgehog signal: control by the Drosophila Gli protein cubitus interruptus", Science, 272 (5268): 1621-1625 (1996).
	AY	Echelard, Y. et al., "Sonic hedgehog, a member of a family of putative signaling molecules, is implicated in the regulation of CNS polarity", Cell, 75: 1417-1430 (1993).
	AY	Epps, J. et al., "*Oroshigane*, a new segment polarity gene of Drosophila melanogaster, functions in hedgehog signal transduction", Genetics 145 (4): 1041-1052 (1997).
	BA	Epstein, D. et al., "Antagonizing cAMP-dependent protein kinase A in the dorsal CNS activates a conserved Sonic hedgehog signaling pathway", Development, 122 (9): 2884-2894 (1996).
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	BC	Gailani et al., "Developmental Genes and Cancer: Role of Patched in Basal Cell Carcinoma of the Skin", J. Nat. Canc. Inst. 89 (15): 1103-1109 (1997).
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	BF	Goodrich, L. et al., "Altered neural cell fates and medulloblastoma in mouse patched mutants", Science, 277 (5329): 1109-1113 (1997).
	BG	Goodrich, L. et al., "Conservation of the hedgehog/patched signaling pathway from flies to mice: induction of a mouse patched gene by Hedgehog", Genes Dev., 10 (3): 301-312 (1996).

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	BI	Grindley, J. et al., "Evidence for the involvement of the Gli gene family in embryonic mouse lung development", Dev. Biol., 188 (2): 337-348 (1997).
	BJ	Habuchi, et al., "Detailed deletion mapping of chromosome 9q bladder cancer: evidence or two tumour suppressor loci", Oncogene, 11:1671-1674 (1995).
	BK	Hahn, H. et al., "A mammalian patched homolog is expressed in target issues of sonic hedgehog and maps to a region associated with development abnormalities", J. Biol. Chem., 271 (21): 12125-12128 (1996).
	BL	Heemskerk, J. et al., "Drosophila hedgehog acts as a morphogen in cellular patterning", Cell 76: 449-460 (1994).
	BM	Hepker, J. et al., "Drosophila cubitus interruptus forms a negative feedback loop with patched and regulates expression of Hedgehog target genes", Development, 124 (2): 549-558 (1997).
	BN	Hidalgo, A. and Ingham, P., "Cell patterning in the Drosophila segment: spatial regulation of the segment polarity gene patched", Development, 110: 291-301 (1990).
	BO	Hooper et al., "The Drosophila patched gene encodes a putative membrane protein required for segmental patterning", Cell 59: 751-765 (1989).
	BP	Hynes, M., et a., "Control of cell pattern in the neural tube by zinc finger transcription factor and oncogene _____ Neuron 19(1): 1997).
	BQ	Ingham, "*Hedgehog* points the way", Curr. Biol. 4: 347-350 (1994).
	BR	Ingham, P. et al., "Role of the Drosophila patched gene in positional signalling", Nature, 353: 184-187 (1991).
	BS	Ingham, P. et al., "Quantitative effects of hedgehog and decapentaplegic activity on the patterning of the Drosophila wing", Curr. Biol., 5 (4): 432-440 (1995).
	BT	Jensen, A. et al., "Expression of Sonic hedgehog and its putative role as a precursor cell mitogen in the developing mouse retina", Development, 124 (2): 363-371 (1997).
	BU	Jiang, J. et al., "Protein kinase A and hedgehog signaling in Drosophila limb development", Cell, 80 (4): 563-572 (1995).
	BV	Johnson, R. et al., "Patched overexpression alters wing disc size and pattern: transcriptional and post-transcriptional effects on hedgehog targets", Development, 121 (12): 4161-4170 (1995).
	BW	Johnson, R. et al., "Human homolog of patched, a candidate gene for the basal cell nevus syndrome", Science, 272 (5268): 1668-1671 (1996).
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	BY	...ato, Nippon Yakurigaku Zasshi, Folia Pharmacologica Japonica 102 (3): AN 94010590.
	BZ	Kojima, T. et al., "Induction of a mirror-image duplication of anterior wing structures by localized hedgehog expression in the anterior compartment of Drosophila melanogaster wing imaginal discs", Gene, 148 (2): 211-7 (1994).
	CA	Krauss, S. et al., "A functionally conserved homolog of the Drosophila segment polarity gene *hh* is expressed in tissues with polarizing activity in zebrafish embryos", Cell, 75: 1431-1444 (1993).
	CB	Lepage et al., "Signal transduction by cAMP-dependent protein kinase A in Drosophila limb patterning", Nature, 373 (6516): 711-715 (1995).
	CC	Li, W., et al., "Function of protein kinase A in hedgehog signal transduction and Drosophila imaginal disc development", Cell, 80 (4): 553-562 (1995).
	CD	Loftus, S., et al., "Murine model of Niemann-Pick C disease: mutation in a cholesterol homeostatis gene", Science, 277 (5323): 232-235 (1997).
	CE	Ma, C. et al., "The segment polarity gene hedgehog is required for progression of the morphogenic furrow in the developing Drosophila eye", Cell, 75 (5): 927-938 (1993).
	CF	Ma, C. et al., "Wingless and patched are negative regulators of the morphogenetic furrow and can effect tissue polarity in the developing Drosophila compound eye", Development, 121 (8): 2279-2289 (1995).
	CG	Ma et al., "Molecular Cloning and Characterization of rKlk10, a cDNA encoding T-Kininogenase from Rat Submandibular Gland and Kidney", Biochemistry 31: 10922-10928.
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	CI	Marigo, V. et al., "Conservation in hedgehog signaling: induction of a chicken patched homolog by Sonic hedgehog in the developing limb", Development, 122 (4): 1225-1233 (1996).
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	CK	Marigo, V. et al., "Regulation of patched by sonic hedgehog in the developing neural tube", Proc. Natl. Acad. Sci. USA, 93(18): 9346-9351 (1996).
	CL	Nakamura, T. et al., "Induction of osteogenic differentiation by hedgehog proteins", Biochem. Biophys. Res. Comm., 237 (2): 465-469 (1997).
	CM	Nakano, Y. et al., "A protein with several possible membrane-spanning domains encoded by the Drosophila segment polarity gene patched", Nature, 341: 508-513 (1989).
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	CO	Oro, A. et al., "Basal cell carcinomas in mice overexressing sonic hedgehog", Science, 276(5313)L 817-821 (1997).

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	CR	Perrimon, N., "Serpentine proteins lither into the wingless and hedgehog fields", Cell, 86 (4): 513-516 (1996).
	CS	Phillips, R. et al., "The Drosophila segment polarity gene patched is involved in a position signalling mechanism in imaginal discs", Development, 110: 105-114 (1990).
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	CX	Rogers, G. et al., "Patched gene mutation screening in patients with basal cell nevus syndrome using biodirectional dideoxy fingerprinting", J. Invest. Dermatol. Abstracts, 108(4): 598, # 364, (1997).
	CY	Roush, W., "Hedgehog's patterning call is patched through, smoothly", Science, 274 (5291): 1304-1305 (1996).
	CZ	Sanicola, M. et al., "Drawing a stripe in Drosophila imaginal disks: negative regulation of decapentaplagic and patched expression by engrailed", Genetics, 139 (2): 745-756 (1995).
	DA	Schuske, K. et al., "Patched overexpression causes loss of wingless expression in Drosophila embryos", Dev. Biol., 164 (1): 300-301 (1994).
	DB	Shilo, B., "Tumor suppressors. Dispatches from patched", Nature, 382 (6587): 115-116 (1996).
	DC	Simcox, A. et al., "Imaginal discs can be recovered from culture embryos mutant for the segment-polarity genes engrailed, naked and patched but nor from wingless", Development, 107: 715-722 (1989).
	DD	Sisson, J. et al., "Costal2, a novel kinesin-related protein in the Hedgehog signaling pathway", Cell, 90 (2): 235-245 (1997).
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	DJ	Strutt, D. et al., "Regulation of furrow progression in the Drosophila eye by cAMP-dependent protein kinase A", Nature, 373 (6516): 705-709 (1995).
	DK	Tabata, T. et al., "The Drosophila hedgehog gene is expressed specifically in posterior compartment cells and is a target of engrailed regulation", Genes Dev., 6(12B): 2635-2645 (1992).
	DL	Tabata, T. et al., "Hedgehog is a signaling protein with a key role in patterning Drosophila imaginal discs", Cell, 76: 89-102 (1994).
	DM	Takabatake, T. et al., "Hedgehog and patched gene expression in adult ocular tissues", FEBS Letters, 410 (2-3): 485-489 (1997).
	DN	Thummel, C. et al., "Vectors for Drosopl ila P-element mediated transformation and tissue culture transfection", Gene, 74: 445-446 (1988).
	DO	Von Ohlen, T. et al.,, "Hedgehog signaling regulates transcription through cubitus interruptus, a sequence-specific DNA binding protein", Proc. Natl. Acad. Sci. USA, 94 (6): 2404-2409 (1997).
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	DQ	Vortkamp, A., et al., "Regulation of rate of cartilage differentiation by Indian hedgehog and PTH-related protein", Science, 273 (5275): 613-622 (1996).
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